

CLAIMS

1. Method for decoding charging data records (CDR) generated in a mobile telephone network, said records consisting of files to be decoded that can be described on the basis of a formal description of the ASN.1 type, characterised by the fact that it includes the following operations:

- identifying (102) the type of record to be decoded, the identification corresponding to at least a first type (GSM) and at least a second type (GPRS) of records to be decoded,

- providing a decoder (10) including an interpreter of the ASN.1 type (18),

- providing (110) said formal description of the ASN.1 type of the records to be decoded,

- self-generate, by means of said interpreter (18) and in relation to the aforementioned description, an updated decoder version of at least a first (114) and at least a second (116) type according to the type of record to be decoded, and

- supplying (118) said files to be decoded (14) to the decoder (114, 116) self-generated in this way, so as to output (120) said decoded records in text format.

2. Method as per claim 1, characterised by the fact that said at least a first type of record and said at least a second type of record is selected from the group consisting of GSM, GPRS or UMTS records.

3. Method as per any one of the previous claims, characterised by the fact that it includes the operation of selecting one of the said at least first (114) and said at least second (116) type of decoder, and of parameterising the decoder selected in relation to at least one parameter selected from the group made up of:

- name of log file to be decoded (104), and

- output format of the decoded file (106).

4. Method as per claim 3, characterised by the fact that said output format of the decoded file is selected from the following:

- 5 - a long format, in which the decoding, the length and the contents in hexadecimal are given for each record field, and
- a short format, for which only the decoding is given for each record field.

5. System for decoding charging data records (CDR) generated
10 in a mobile telephone network operating according to the method as per any one of the previous claims.